

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) An element for carrying out and documenting a program or test sequence, wherein:

the element is configured to perform a particular function for carrying out said program or test sequence, wherein, said particular function comprises at least one function selected from the group consisting of mathematical or logic operations, time detection or analysis, comparisons, signal analyses, signal range detection, threshold detection, maximum, minimum, mean or final value detection and sequence monitoring and control;

the element has at least one control input to which an external control signal can be supplied;

a variable in the element can be varied as a function of the external control signal; and

a process for carrying out said particular function can be varied by the element in response to a value of said variable, in such a manner that,

when the variable has one value and the external control signal is at a first signal level, the variable assumes a specific value which differs from said one value; and

when the variable is at that specific value and an external control signal which is at the first signal level is once again applied, that the variable remains at that specific value.

Claim 2. (Original) The element according to Claim 1, wherein

the variable is reset when the element has finished carrying out the particular function; and

when the variable is reset, the element outputs an external control signal, which is at the first signal level, via at least one control output of the element.

Claim 3. (Previously Presented) The element according to Claim 1, wherein

said one value is zero and the specific value which differs from said one value is nonzero;

the variable assumes the value "0" when the at least one control input of the element is supplied with an external control signal which is at a second signal level, with an external control signal which is at the second signal level then being output via at least one control output of the element.

Claim 4. (Previously Presented) The element according to Claim 1, wherein the element has a control input and a number of control outputs, with the external control signal being output from the element via all control outputs.

Claim 5. (Original) The element according to Claim 1, wherein the element has a number of control inputs, with an external control signal which is at the first signal level being output via the at least one control output when a control signal which corresponds to the first signal level is applied to all control inputs.

Claim 6. (Original) The element according to Claim 1, wherein the element has a number of control inputs, with an external control signal which is at the first signal level being output via the at least one control output when a

control signal which corresponds to the first signal level is applied to at least one control input.

Claim 7. (Original) The element according to Claim 1, wherein the element has one control input and at least one control output as well as at least one data input, with an external control signal, which is applied to the control input and is at the first signal level, being output via that control output which is determined by the function of the element as a function of the signal which is applied to the at least one data input.

Claim 8. (Previously Presented) The element according to Claim 1, wherein:

the element has at least one data input and at least one data output;

the particular function comprises formation of at least one data output signal at said at least one data output from the at least one data input signal which are applied to at least one data input; and

the at least one data output signal is output via said at least one data output.

Claim 9. (Original) The element according to Claim 1, wherein the particular function of the element is a time measurement.

Claim 10. (Original) The element according to Claim 9, wherein the time measurement is carried out by measuring a specific time period starting from the beginning of one of an application of an external control signal at the first signal level, an application of a specific signal at a data input, or an application of a signal combination at a number of data inputs of the element, with one of an external control signal at the first signal level being output at the end of the time period via a control output of the element, and/or a corresponding data signal being output at one or more data outputs.

Claim 11. (Previously Presented) The element according to Claim 1, wherein a time signal profile is output as a data output signal via a data output when the external control signal is at the first signal level.

Claim 12. (Currently Amended) A system for implementing a program or test sequence, comprising:

an element which implements a particular function which is included in said program or test sequence, [[:]] wherein said particular function

comprises at least one function selected from the group consisting of mathematical or logic operations, time detection or analysis, comparisons, signal analyses, signal range detection, threshold detection, maximum, minimum, mean or final value detection and sequence monitoring and control;

the element has at least one control input to which an external control signal can be supplied;

a variable in the element can be varied as a function of the external control signal; and

a process for carrying out said particular function can be varied by the element in response to a value of said variable, in such a manner that,

when the variable has one value and the external control signal is at a first signal level, the variable assumes a specific value which differs from said one value;

when the variable is at that specific value and an external control signal which is at the first signal level is once again applied, that the variable remains at that specific value.

Claim 13. (Previously Presented) A method for documenting a program or test sequence using an element which implements a particular function in response to a value of a variable stored in said element, wherein the element has at least one control input to which an external control signal can be supplied, and the variable stored in the element can be varied as a function of the external control signal, said method comprising:

when the variable has one value and the external control signal is at a first level, causing the variable to assume a specific value which differs from said one value; and

when the variable is at that specific value and an external control signal which is at the first signal level is once again applied, causing the variable to remain at the specific level.

Claim 14. (Previously Presented) The element according to Claim 13, wherein

the variable is reset when the element has finished carrying out the particular function; and

when the variable is reset, the element outputs an external control signal, which is at the first signal level, via at least one control output of the element.

Claim 15. (Previously Presented) The element according to Claim 13, wherein

the specific value is zero and the value which differs from the specific value is nonzero;

the variable assumes the value "0" when the at least one control input of the element is supplied with an external control signal which is at a second signal level, with an external control signal which is at the second signal level then being output via at least one control output of the element.

Claim 16. (New) The element according to Claim 1, wherein said particular function comprises one of monitoring and data processing.

Claim 17. (New) The element according to Claim 12, wherein said particular function comprises one of monitoring and data processing.

Claim 18. (New) The element according to Claim 13, wherein said particular function comprises one of monitoring and data processing.